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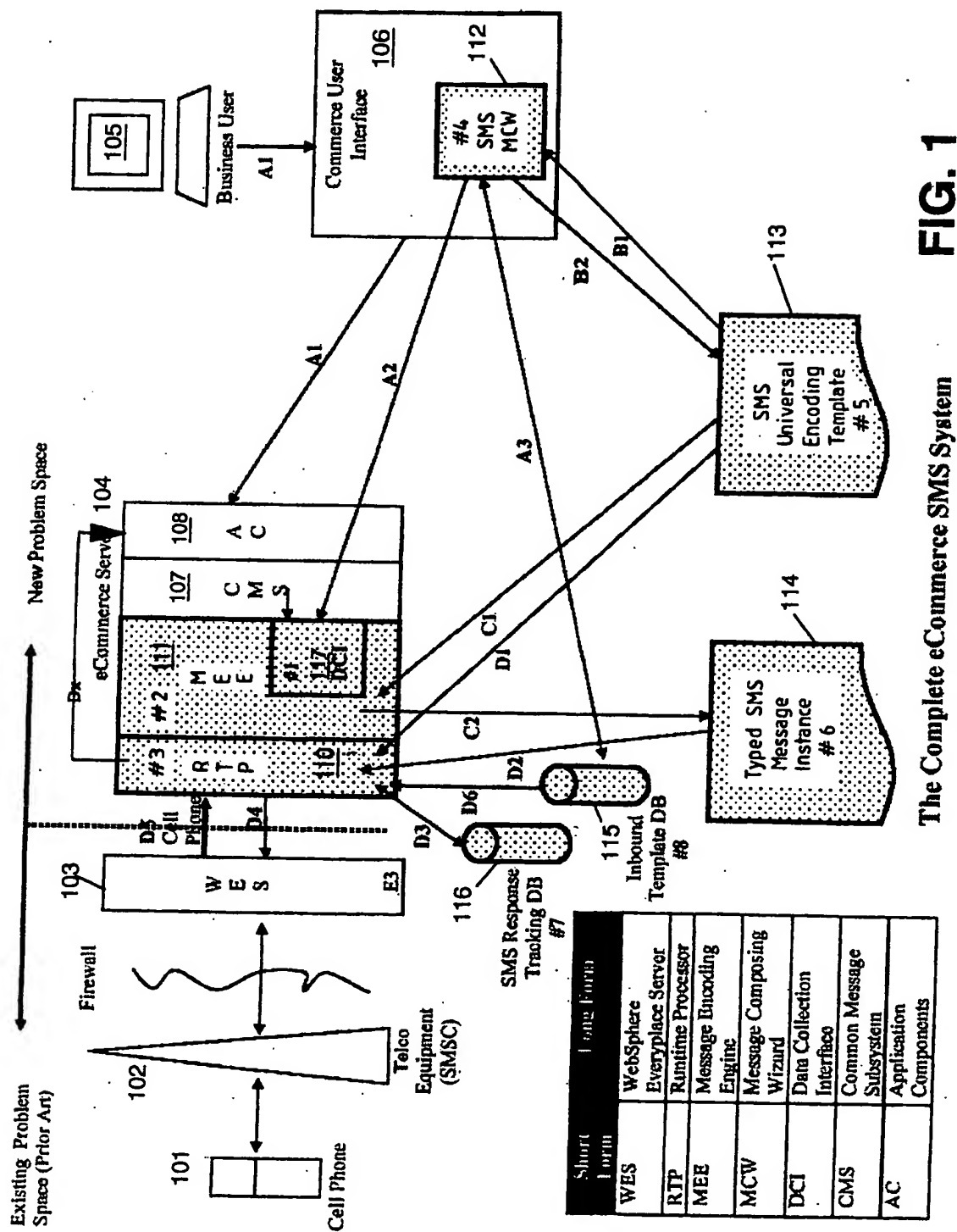


FIG. 1

The Complete eCommerce SMS System

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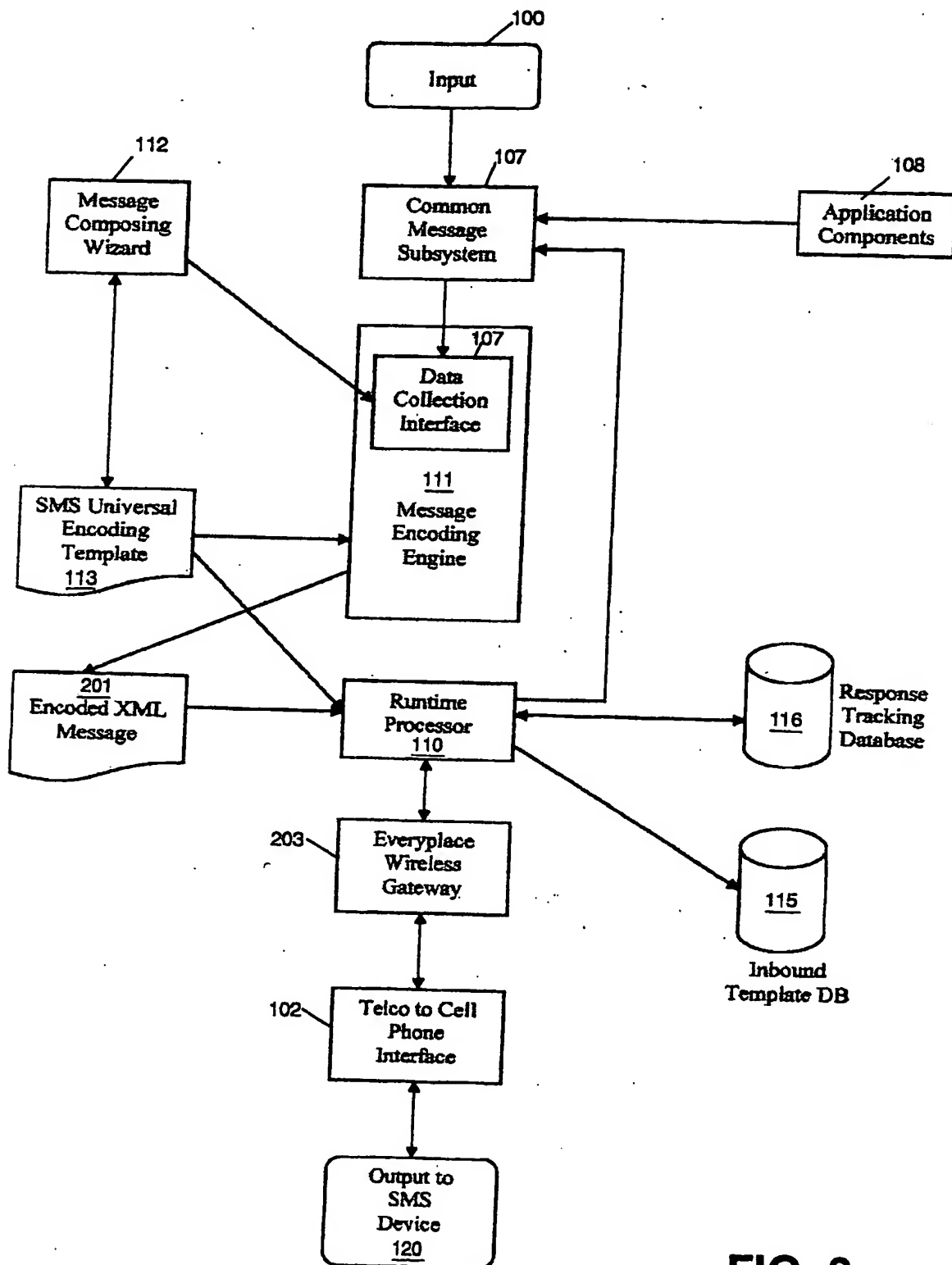


FIG. 2

STRUCTURAL MAPPING OF SMS COMMERCE
INFRASTRUCTURE COMPONENTS

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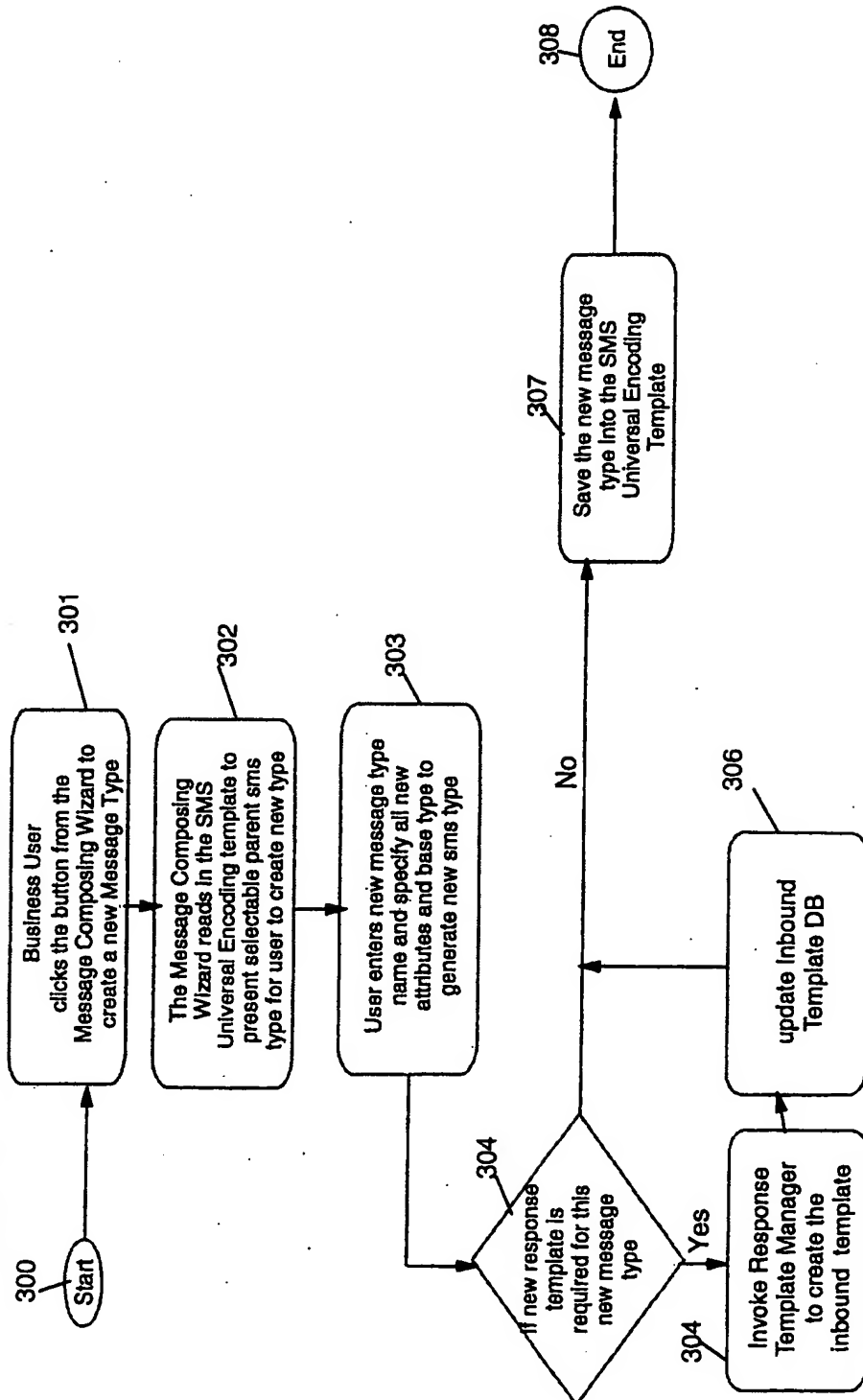
FIG. 3**Using SMS Message Composing Wizard to Create New SMS Type In SMS Universal Encoding Template****Flow Chart For New SMS Type Creation**

FIG. 4

Create a new SMS Message Type	
404 — Message Type Name:	<div style="background-color: black; width: 100px; height: 20px;"></div>
405 — Parent Message Type:	<div style="border: 1px solid black; padding: 2px;">PaymentExceptionSMSMessage</div>
406 — Default Message :	<div style="border: 1px solid black; padding: 2px;">ConfirmGenericSMSMessage V</div>
<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;">Your cheque bounced!</div>	
407 — Default Delivery Options for "Generic Auction OutBidded Message":	
408 — Send Priority :	Low <input type="radio"/> High <input checked="" type="radio"/>
409 — Message Receiver: Message group	User group
410 — Send Time:	Now <input checked="" type="radio"/> Later <input type="radio"/> Required <input checked="" type="radio"/>
Reply :	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> Action Command </div> <div style="margin-top: 5px;"> CONFIRMEDPaymentExceptionConfCmd PIN ValidatePINCommand </div>

V

 414

V

 418

Calendar V

 415

HH:MM

 416

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FIG. 5
SMS Encoding Flow Diagram

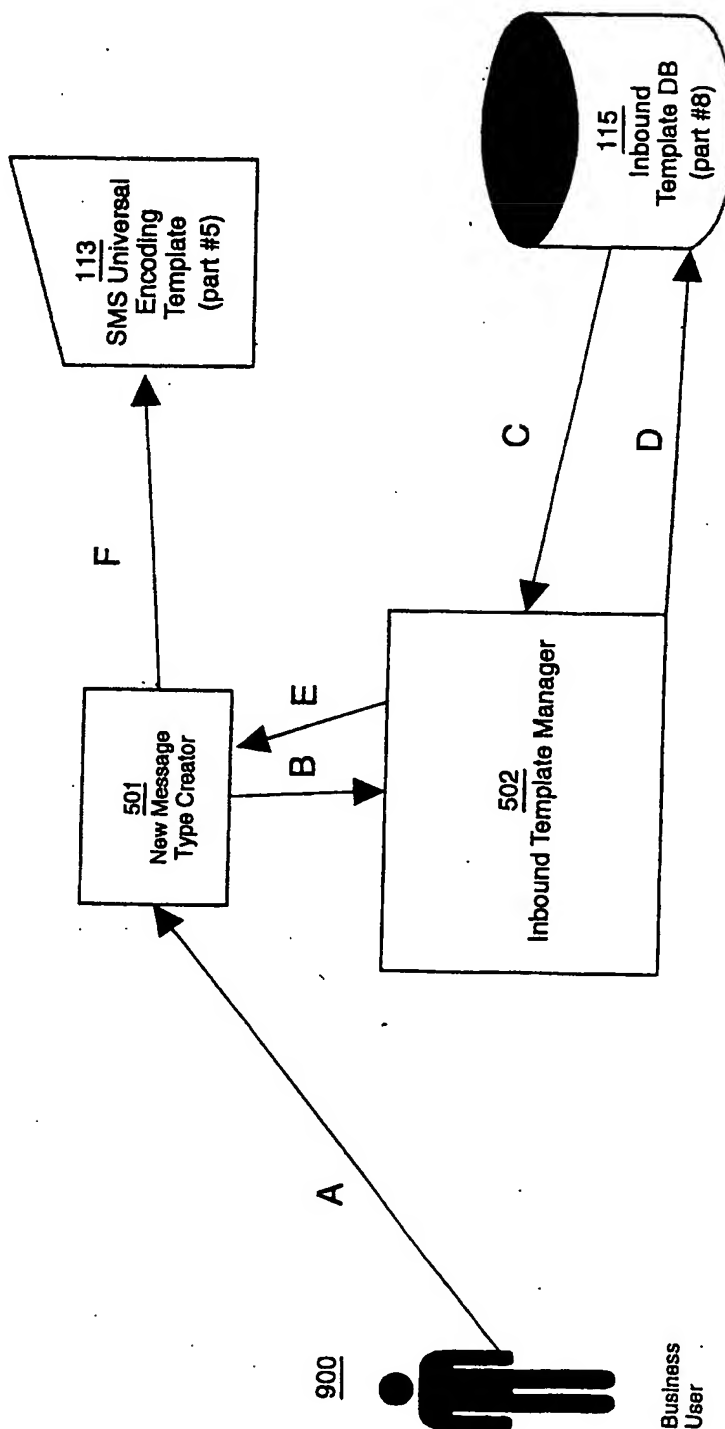
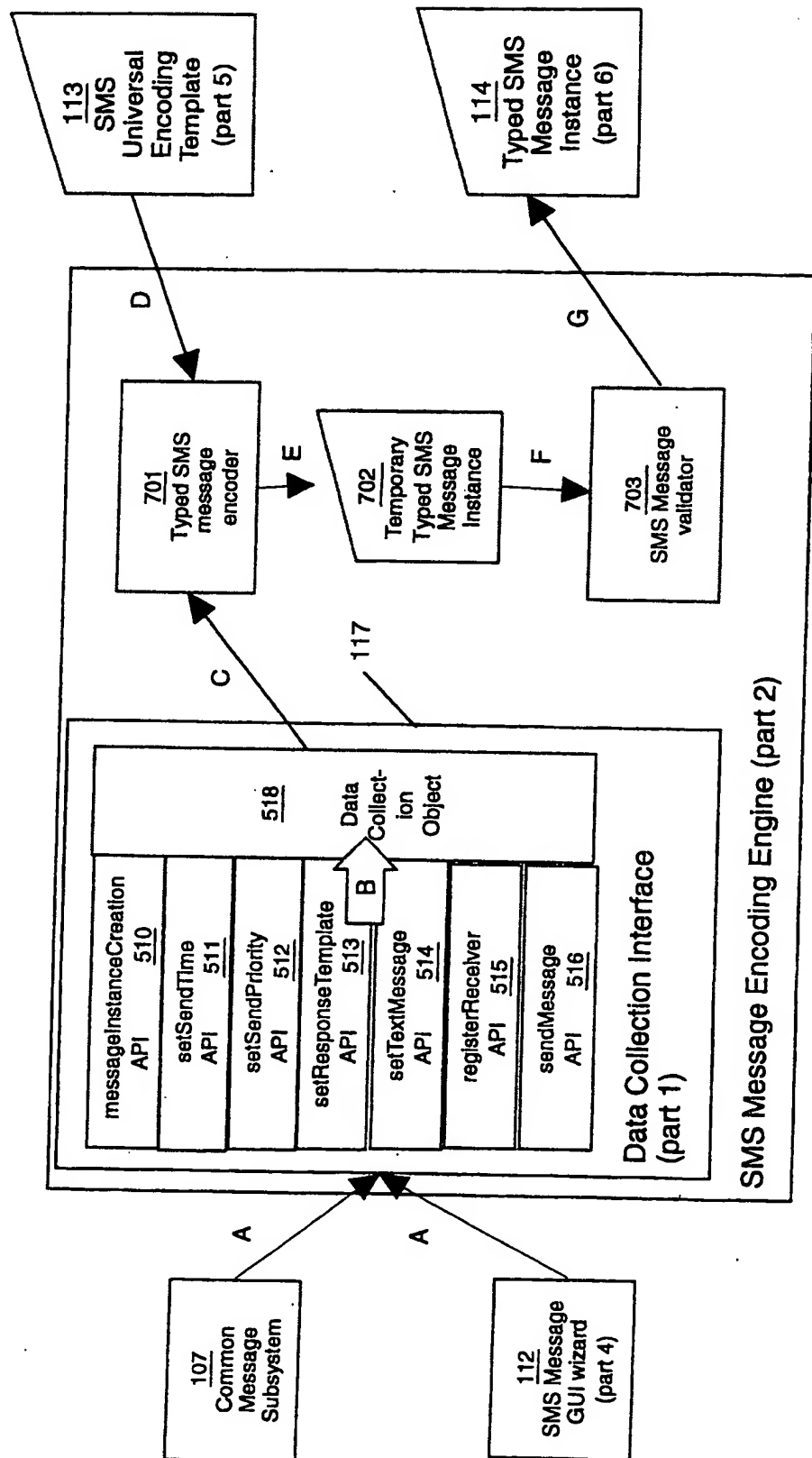
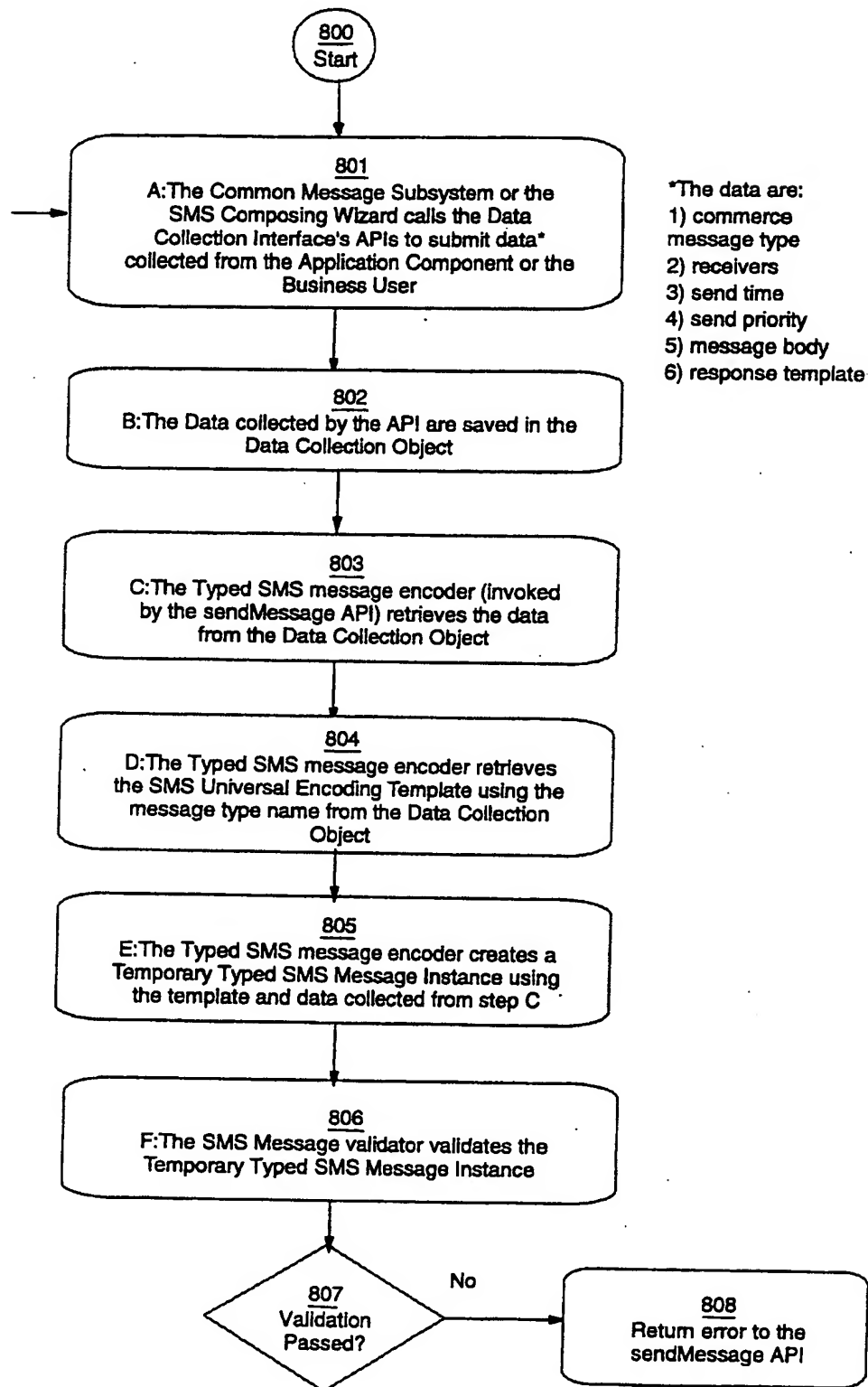


FIG. 6**SMS Message Encoding Engine
Structure Diagram**

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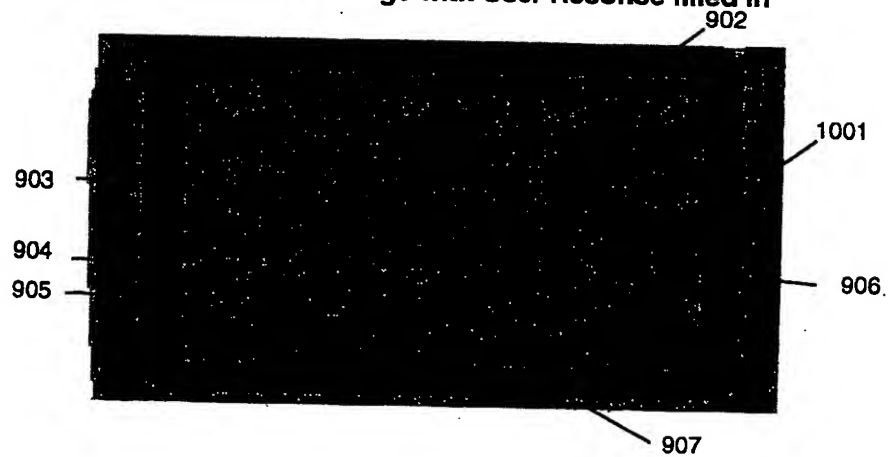
**FIG. 7** SMS Message Encoding Engine Flow Diagram

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FIG. 8 Actual Outbound SMS Message Example



FIG. 9 SMS Inbound Message with User Resonse filled in



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FIG. 10 GUI to Compose an SMS Message

1101 Send a SMS Message

1103

1104 Commerce Message ☐ PaymentExceptionSMSMessage ☒ 1102

1105 Message : Your cheque bounced! 1100

1106 Delivery Options:

1107 Send Priority : ☐ Low ☒ High

1108 Message Receiver : Message group ☐ User/ User group ☒ 1118

1109 Send Time: ☐ Steve ☐ 1113

Reply : ☐ Now ☐ Later ☒ Required 1112

1110

Action	Command
CONFIRMED	PaymentExceptionConifCmd
PIN	ValidatePINCommand

1111

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FIG. 11

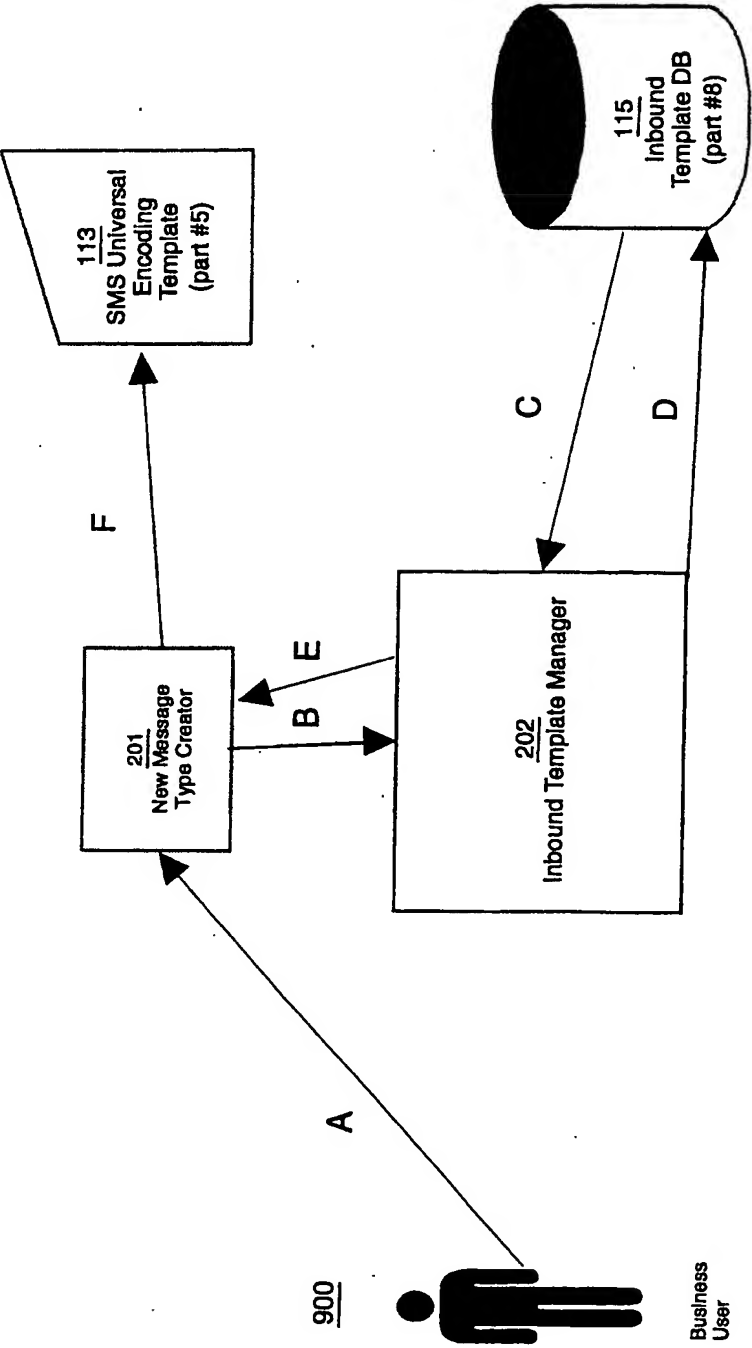
Adding SMS Inbound Template to the Message Type

1302	Add SMS Reply Template	1300	-	X
1303	CONFIRMED	1304	PaymentExceptionConfCmd	V
1306	Response Action:	1305	1307	1308

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FIG. 12

Inbound Template Manager Structure Diagram



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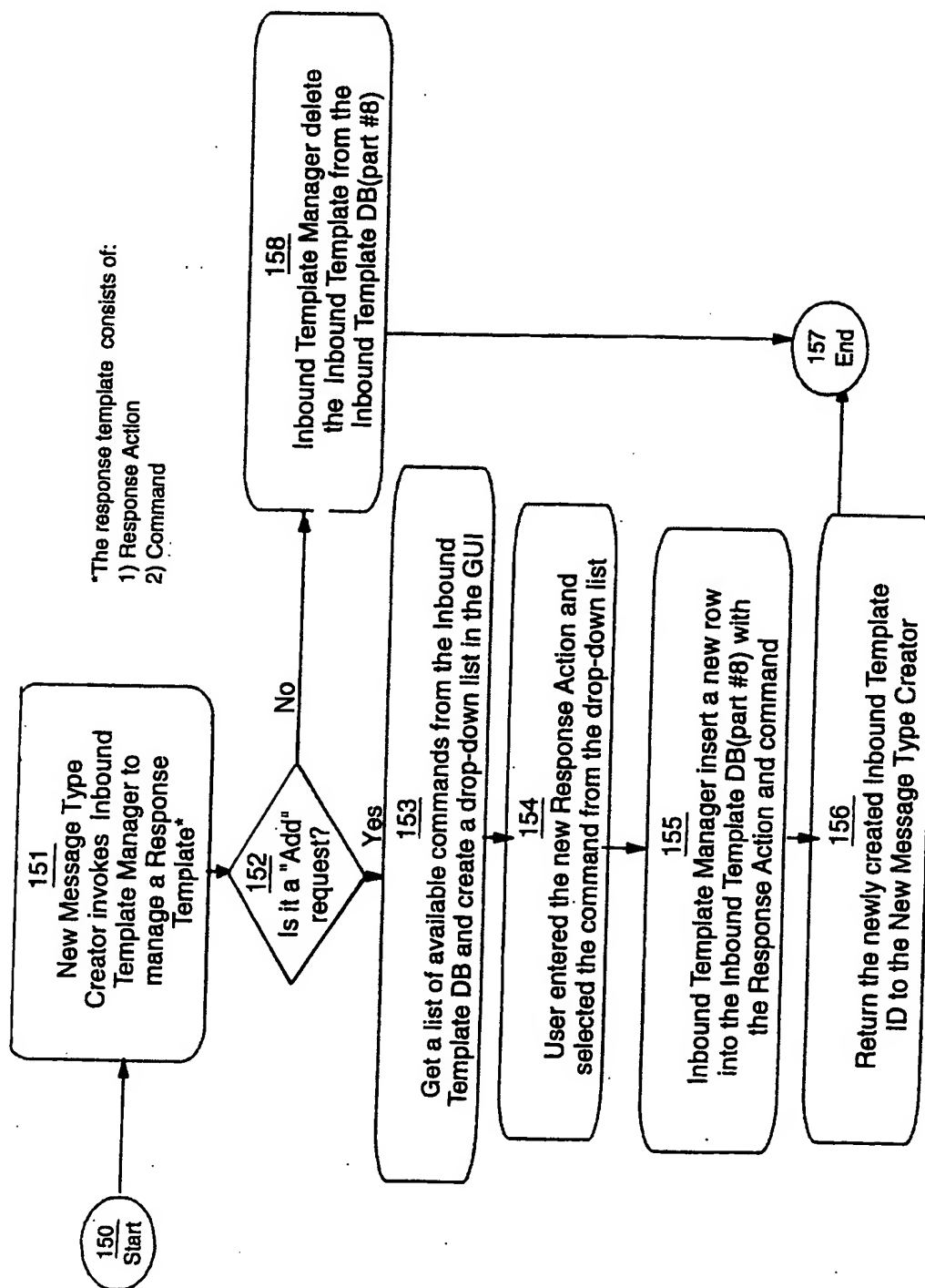
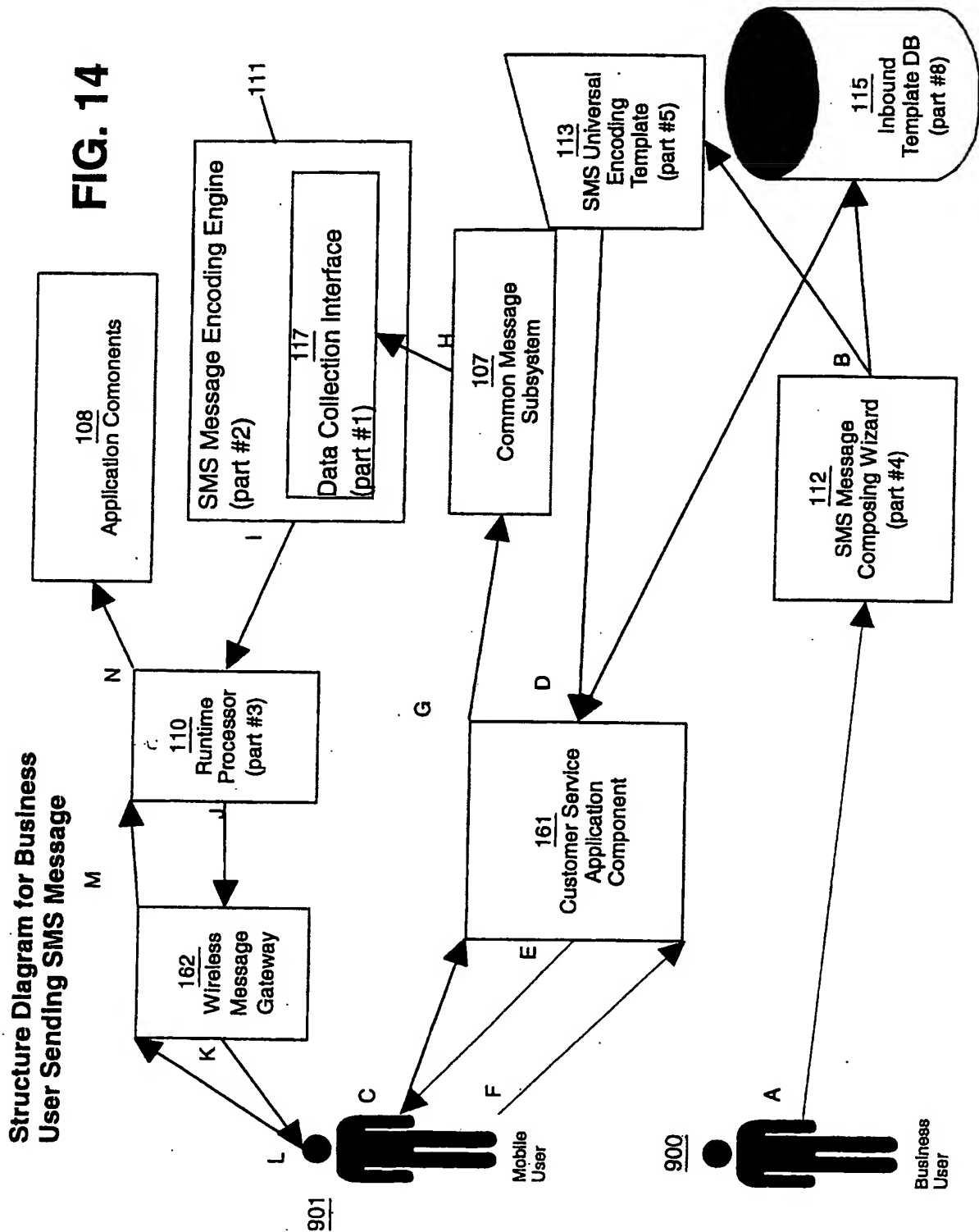


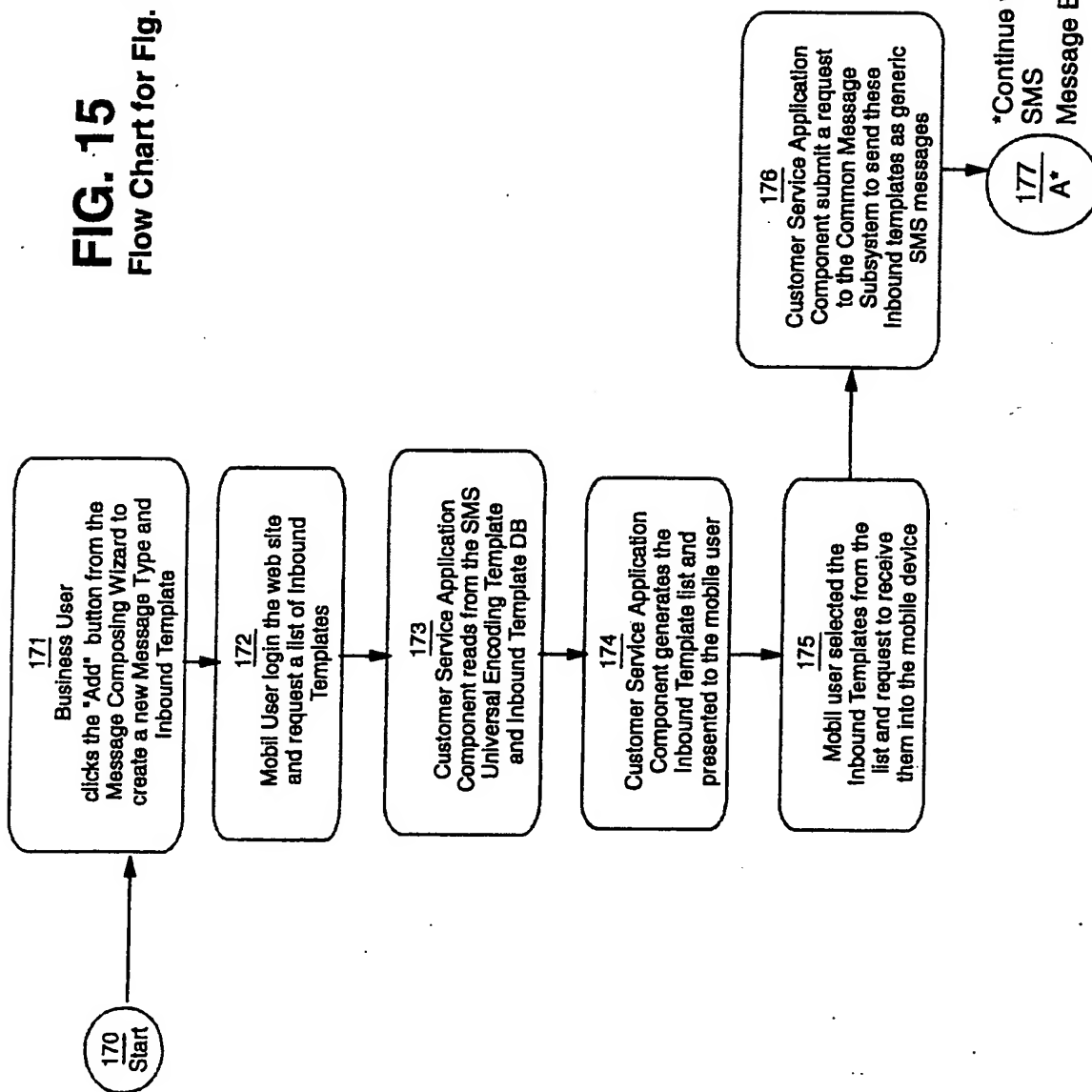
FIG. 13

Flow For the Inbound Template Management

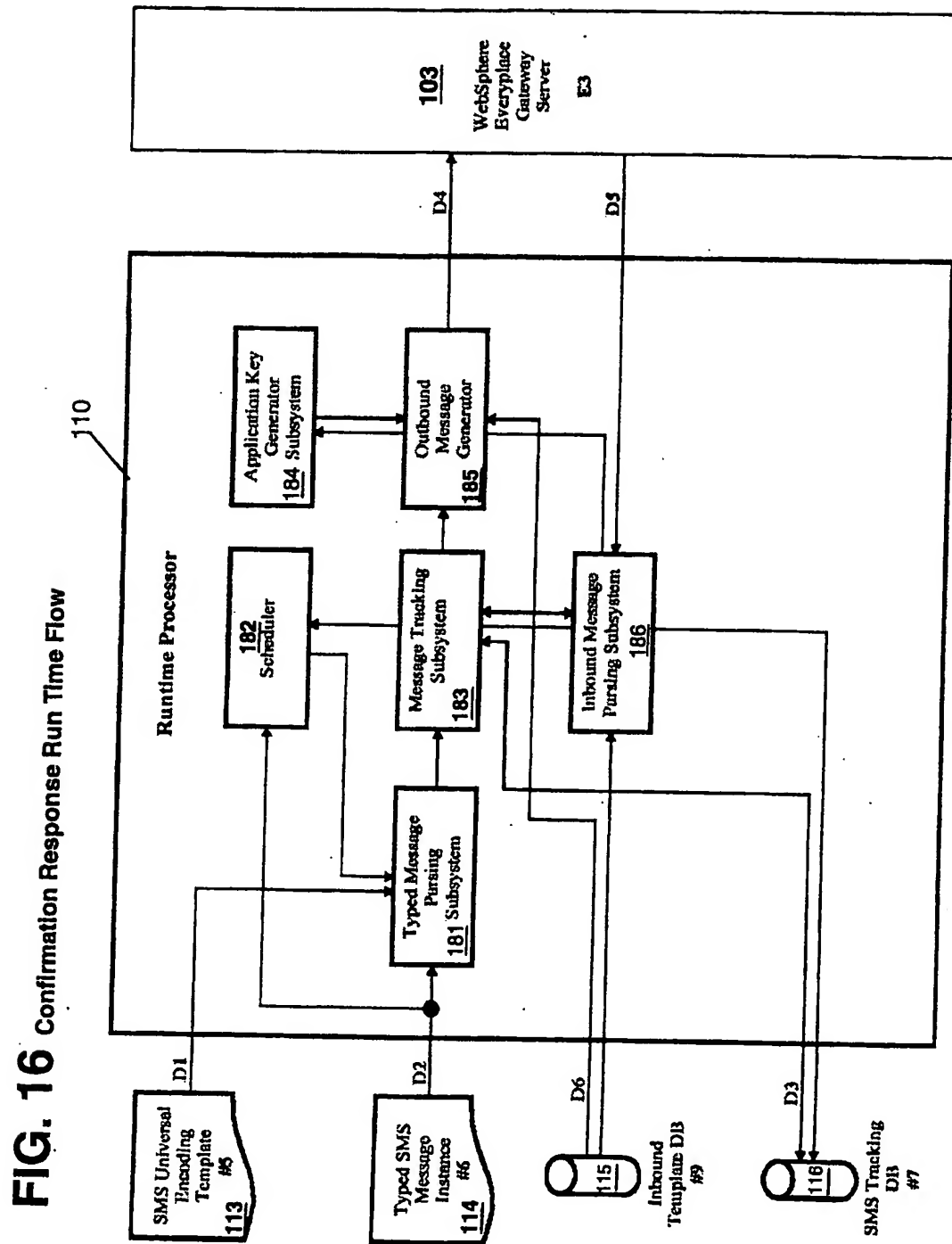


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FIG. 15
Flow Chart for Fig. 16



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Outbound Flow's Flowchart

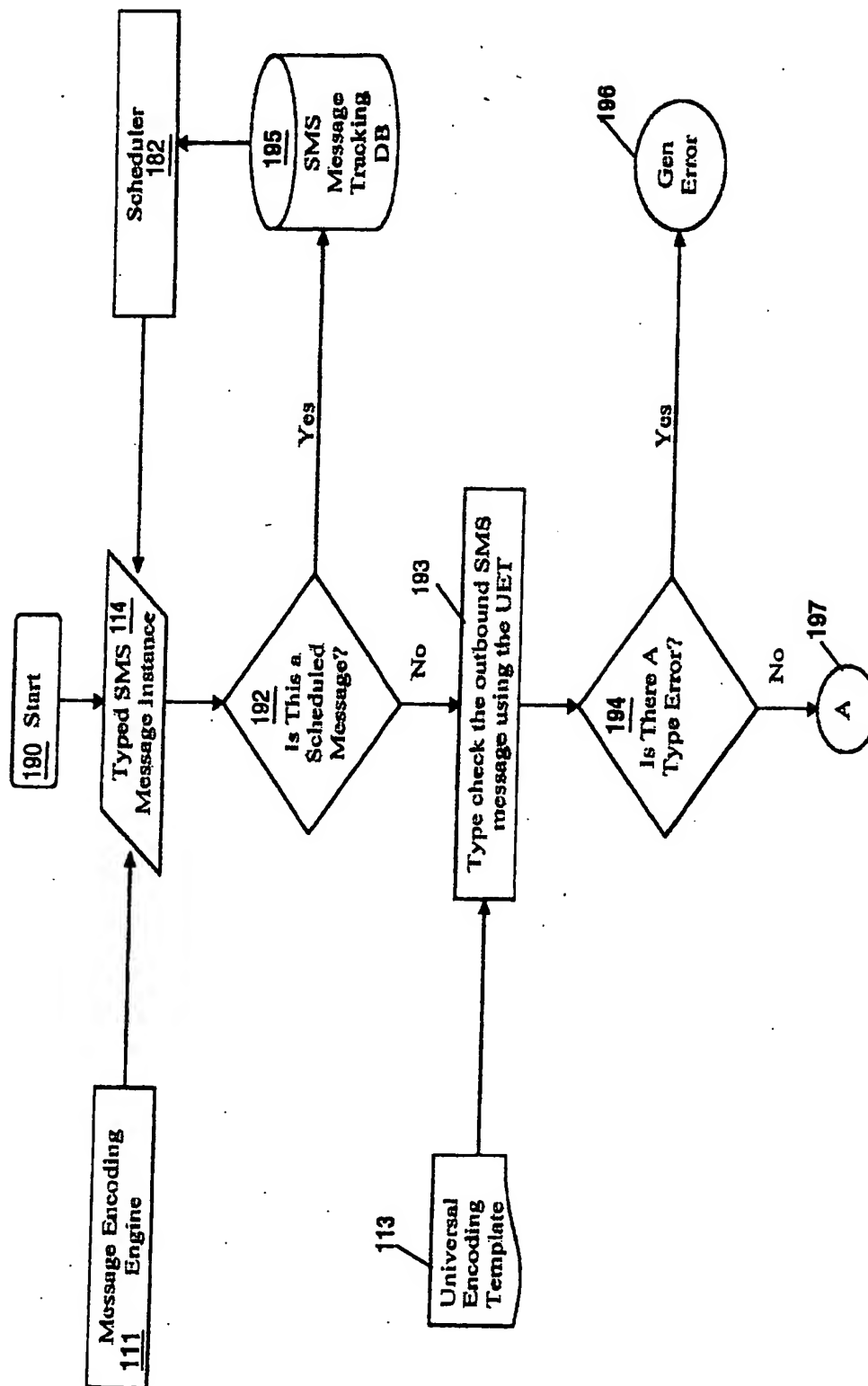
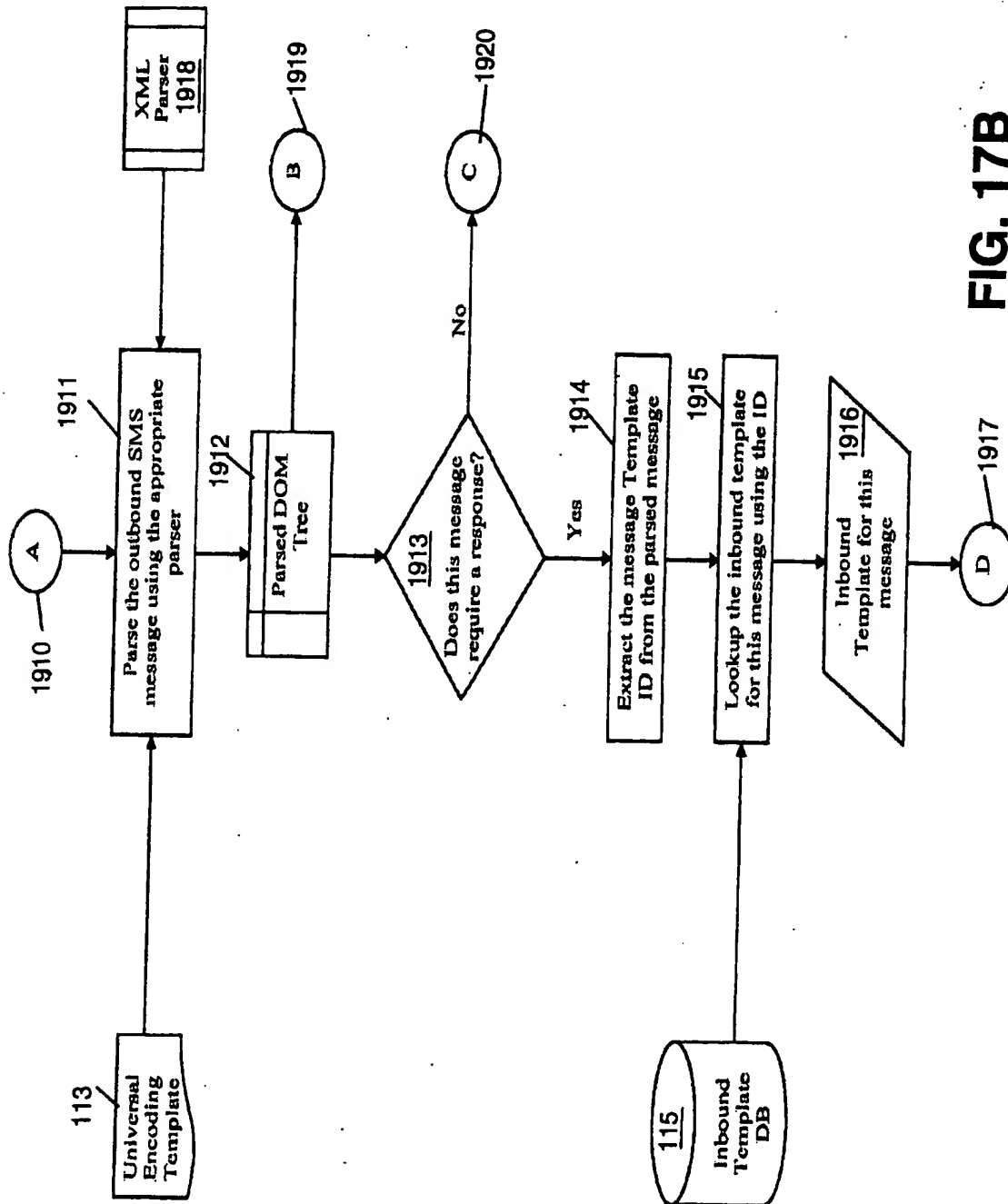


FIG. 17A Outbound Flow Diagram 1

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**FIG. 17B**
OUTBOUND FLOW DIAGRAM 2

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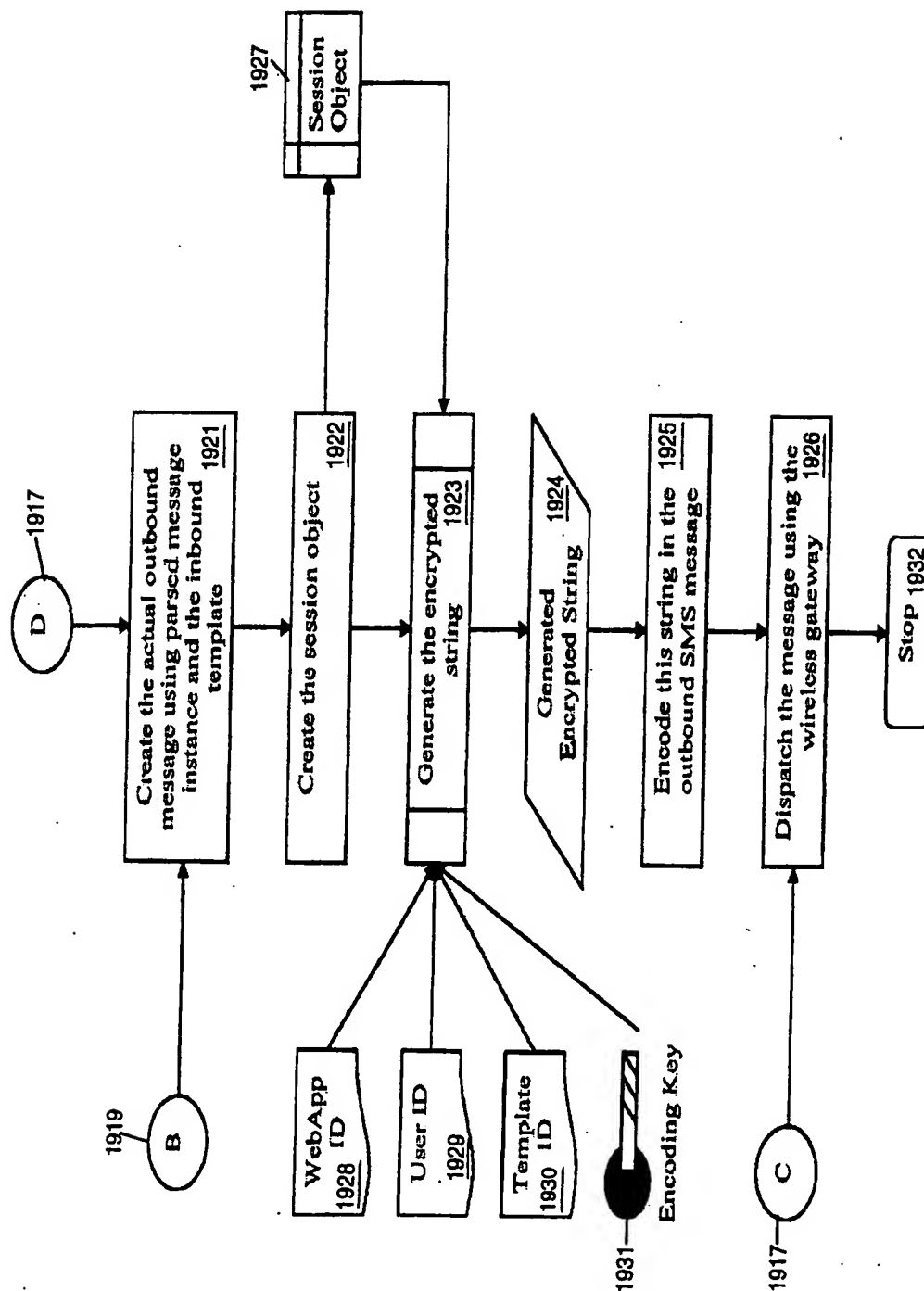


FIG. 17C: OUTBOUND FLOW DIAGRAM 3

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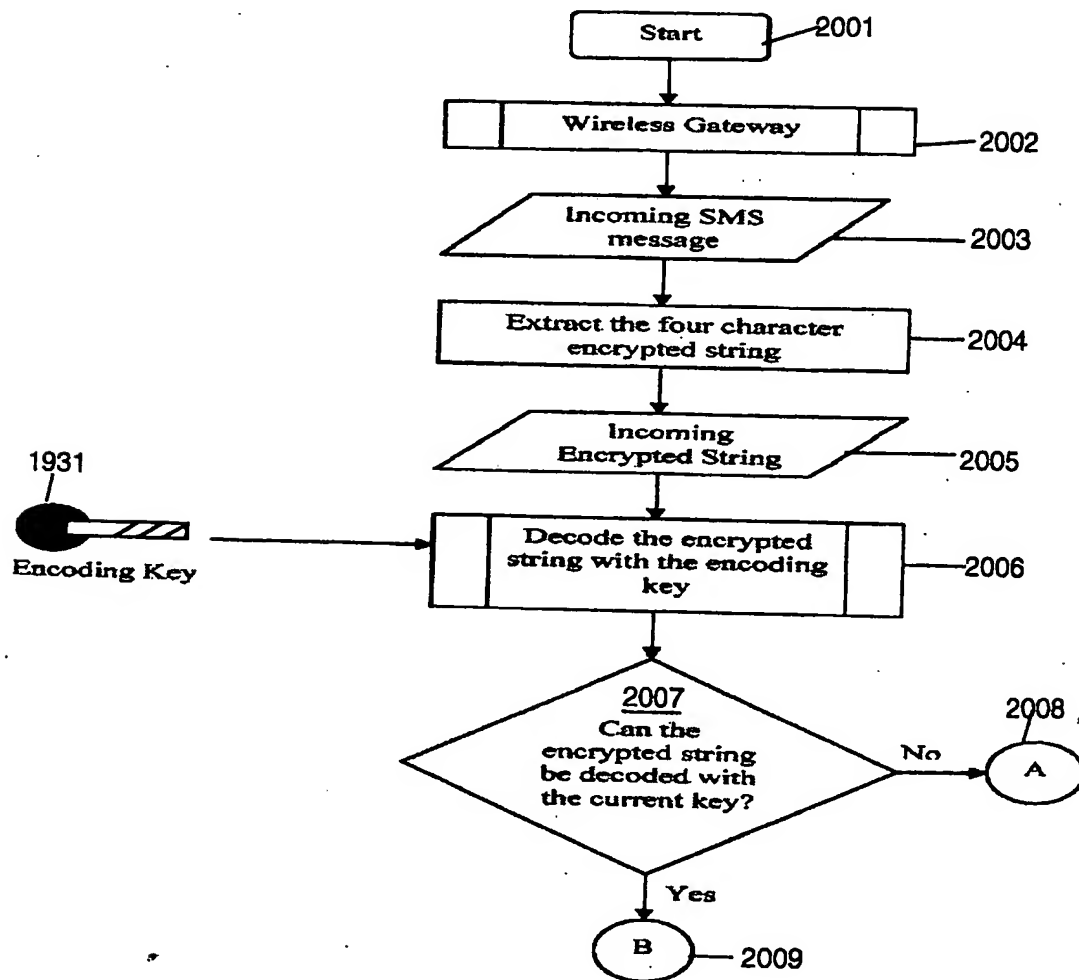
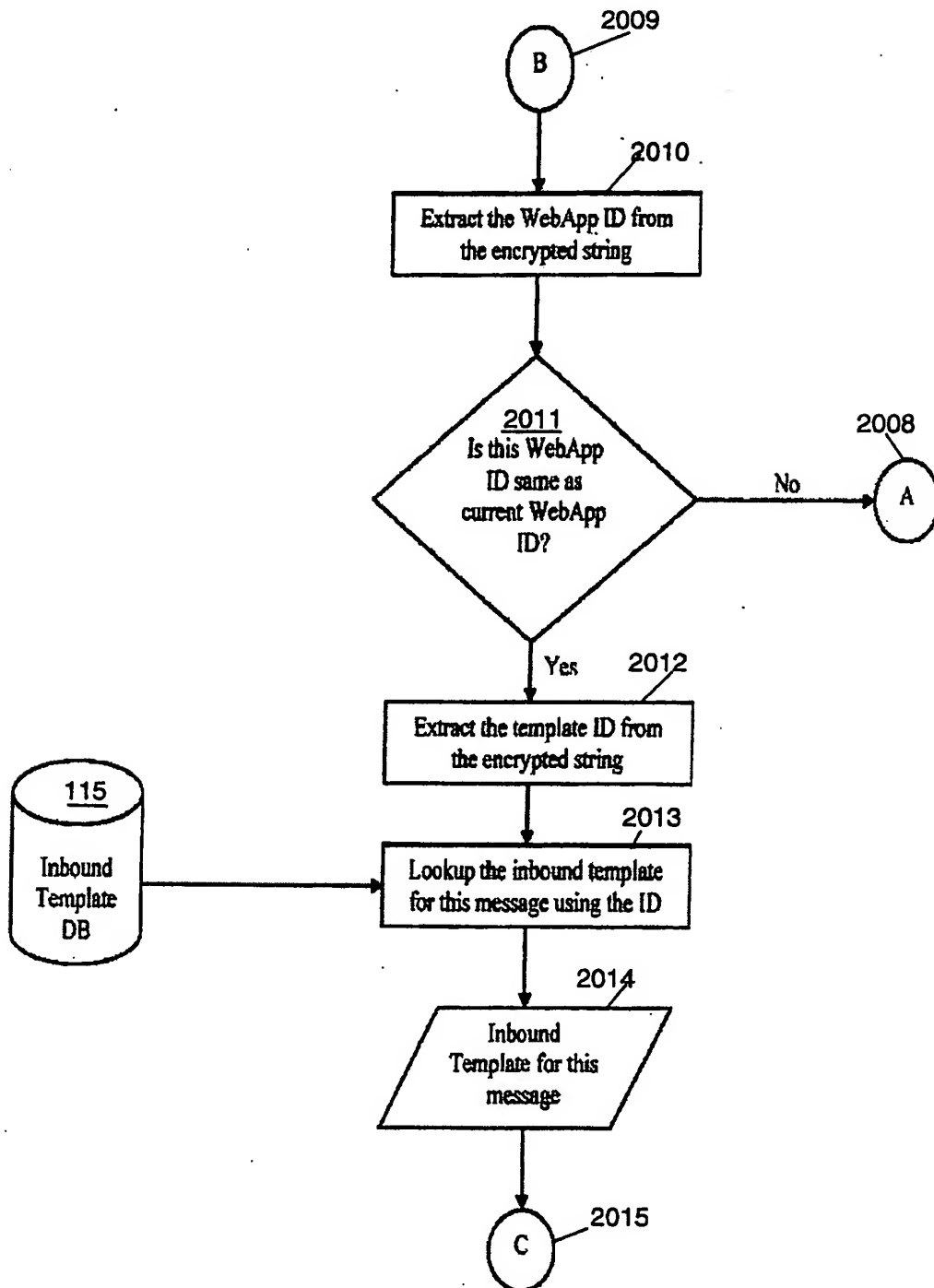
Inbound Flow's Flowchart

FIG. 18A
INBOUND FLOW DIAGRAM 1

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**FIG. 18B**

INBOUND FLOW DIAGRAM 2

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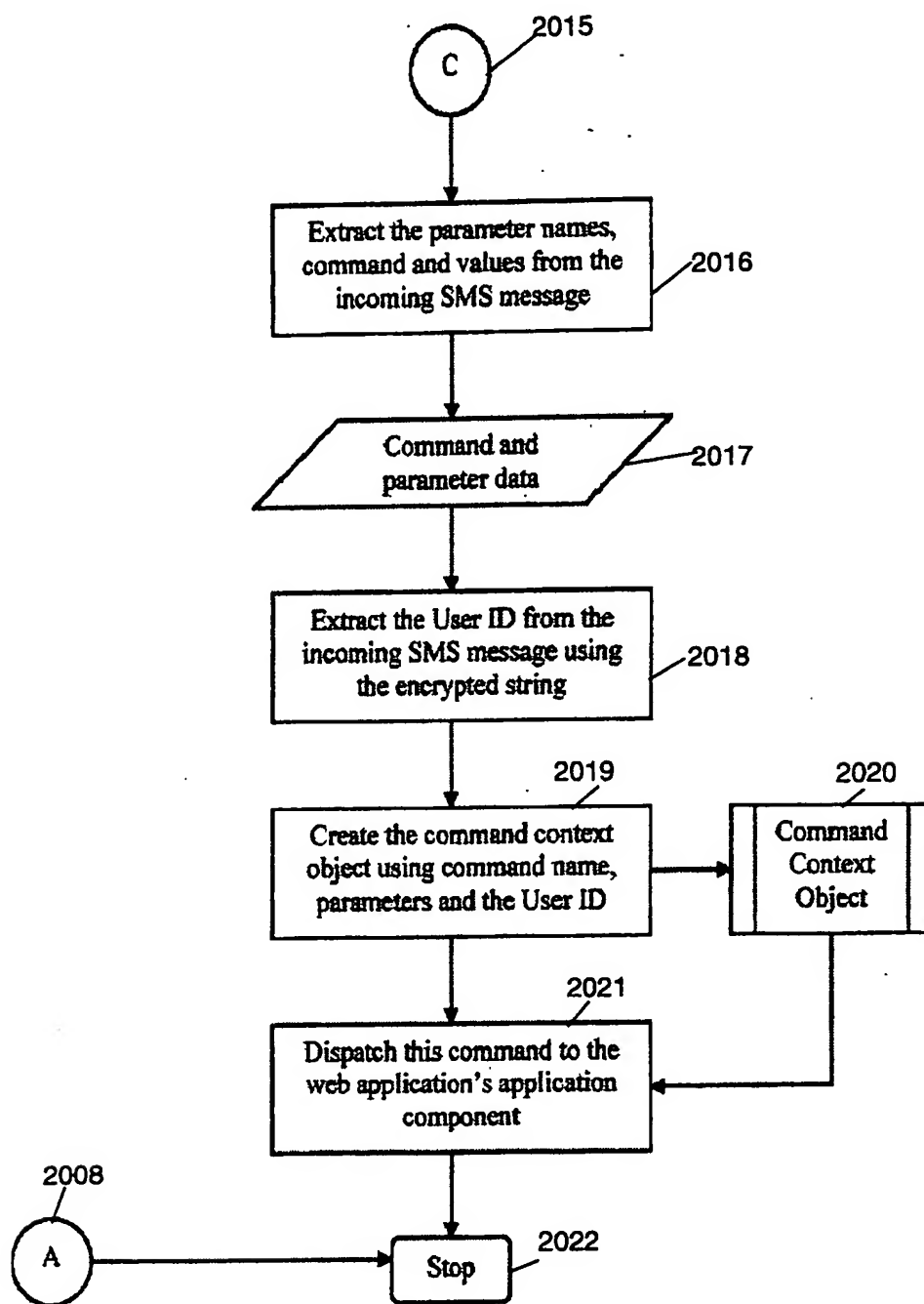


FIG. 18C
INBOUND FLOW DIAGRAM 3